

AMENDMENTS TO THE CLAIMS

In the Claims:

Please amend Claim 28 and cancel Claim 29 without prejudice. A complete copy of the claims including marked-up versions of each claim that is amended in this Amendment appears below.

- 1 Claims 1-9 (Cancelled)
- 1 10. (Previously Presented) An apparatus for electronic control of fluid flow which
2 enables fluid flow when an object is in proximity with the apparatus and for
3 communicating with a communication device, said apparatus comprising:
4 a transmitter for transmitting signals;
5 a receiver for receiving signals of the type transmitted by said transmitter, wherein
6 when an object is located in proximity with said apparatus the object will reflect said
7 signals transmitted by said transmitter to said receiver where said reflected signals will be
8 received;
9 a logic controller which is configured to control fluid flow based on said reflected
10 detection signals;
11 wherein said logic controller is configured to cause said transmitter to send signals
12 relating to the performance of said apparatus to an external portable communication

13 device, and wherein said logic controller is configured to implement instructions relating
14 to the operation of said apparatus based upon signals received by said receiver from the
15 external portable communications device.

1 11. (Previously Presented) An apparatus as defined in Claim 10, wherein said signals
2 transmitted by said transmitter and received by said receiver are infrared signals.

1 12. (Previously Presented) An apparatus as defined in Claim 10, wherein said signals
2 transmitted by said transmitter and received by said receiver are sequences of pulses.

1 13. (Previously Presented) An apparatus as defined in Claim 10, wherein said logic
2 controller is configured to detect, in said signals transmitted by said transmitter and
3 received by said receiver, information for updating said logic controller.

1 14. (Previously Presented) An apparatus as defined in Claim 10, wherein said receiver
2 comprises a detection photo detector and a communication photo detector.

1 15. (Previously Presented) An apparatus as defined in Claim 10, wherein said logic
2 controller is configured to cause a latching solenoid valve to open when said reflected
3 signal exceeds a threshold value.

1 16. (Previously Presented) An apparatus as defined in Claim 10, wherein said receiver
2 comprises a single photo detector coupled to said logic controller.

1 17. (Previously Presented) An apparatus as defined in Claim 16, wherein said single
2 photo detector is coupled to said logic controller by a low pass filter for passing the
3 frequencies of said reflected signal and a high pass filter passing the frequencies of said
4 signals received by said receiver from the external portable communications device.

1 Claims 18-27 (Cancelled)

1 28. (Currently Amended) An apparatus for electronic control of fluid flow which
2 enables fluid flow when an object is in proximity with the apparatus, said apparatus
3 comprising:

4 a transmitter for transmitting a signal;

5 a receiver for receiving a signal of the type transmitted by said transmitter, wherein
6 when an object is located in proximity with said apparatus the object will reflect said
7 signal transmitted by said transmitter to said receiver where said reflected signal will be
8 received;

9 a logic controller which is configured to control fluid flow based on said reflected
10 detection signal, wherein when the object is in sufficient proximity to said apparatus, said

11 logic controller will enable fluid flow, said logic controller being configured to cause said
12 transmitter to send signals relating to the performance of said apparatus to an external
13 portable communication device, said logic controller being configured to implement
14 instructions relating to the operation of said apparatus based upon signals received by said
15 receiver from the external portable communications ~~device~~ device;
16 wherein said logic controller is configured to cause said transmitter to send signals
17 relating to the performance of said apparatus to an external portable communication
18 device.

1 29. (Cancelled)